

PHOTOVOLTAIC SYSTEM INSTALLATIONS

QUALIFIED PERSON REQUIREMENTS

Systems **Over 2 MW**

NFPA 70: National Electrical Code

Article 100-Definitions

Qualified Person. One who has skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to recognize and avoid the hazards involved.

Informational Note: Refer to NFPA 70E-2012, *Standard for Electrical Safety in the Workplace*, for electrical safety requirements.

Article 690-Photovoltaic Systems

690.4(C) Qualified Personnel. The installation of equipment and all associated wiring and interconnections shall be performed only by qualified persons.

Informational note: See article 100 for the definition of *qualified person*.

Article 705-Interconnected Electric Power Production Sources

705.8 System Installation. Installation of one or more electrical power production sources operating in parallel with a primary source(s) of electricity shall be performed only by qualified persons.

Informational note: See article 100 for the definition of *qualified person*.

Requirements

Photovoltaic Systems Training

Electrical Construction Training

NFPA 70E Training

Fall Protection Training

OSHA Training

One of the following is required:

1. Completion of DOL Registered Electrical Apprenticeship Program, or
2. Maintaining a NABCEP PV Installation Professional (PVIP) certification or equivalent,
3. Completing an electrical training program for in-house employees established and administered by an electric utility regulated by the Commission (ComEd or Ameren),
4. Completing an Associate in Applied Science degree from an Illinois Community College Board approved community college program in the appropriate distributed generation technology.

Illinois Commerce Commission

Title 83: Public Utilities

Part 461: Certification for New Utility-Scale Solar Installers

Section 461.10 Definitions

Qualified Person. A person who performs installations on behalf of the certificate holder and who has completed at least one of the following programs requiring lab or field work and received a certification of satisfactory completion: an apprenticeship as a journeyman electrician from a USDOL-registered or an applicable state-agency-registered electrical apprenticeship and training program; a North American Board of Certified Energy Practitioners (NABCEP) distributed generation technology certification program; an electrical training program for in-house employees established and administered by an electric utility regulated by the Commission; or an Associate in Applied Science degree from an Illinois Community College Board-approved community college program in solar generation technology.

Requirements listed in the center section of this document reflect the requirements specified by the National Electrical Code (**GREEN**), and the Illinois Commerce Commission Title 83 Part 461: Certification for New Utility-Scale Solar Installers (**BLUE**).

Joint Committee on Administrative Rules

ADMINISTRATIVE CODE

TITLE 83: PUBLIC UTILITIES

CHAPTER I: ILLINOIS COMMERCE COMMISSION SUBCHAPTER c: ELECTRIC UTILITIES

PART 461 CERTIFICATION FOR NEW UTILITY-SCALE SOLAR INSTALLERS

SECTION 461.50 CERTIFICATION REQUIREMENTS

Section 461.50 Certification Requirements

An applicant shall be certified if the applicant certifies that:

- a) It will remain in compliance with all applicable laws and regulations and Commission rules and orders, including, but not limited to, the requirements of Sections 16-128(a) and 16-128A of the Act and this Part.
- b) It will ensure that its employees, agents or contractors, or the employees, agents or contractors of any entity, agent or contractor with which it has contracted to install new solar projects within the State of Illinois, shall:
 - 1) Comply with applicable building and electrical codes, including those contained in the NEC;
 - 2) Comply with manufacturer's installation instructions;
 - 3) Install only new solar projects that meet recognized industry standards; and
 - 4) Ensure that all obligations required under this Part and Sections 16-128(a) and 16-128A of the Act are met prior to placing into, or returning into, use any new solar project that the certificate holder installed.
- c) It will comply with applicable licensing and municipal bonding requirements to do business in the State of Illinois.
- d) Every installation of a new solar project will be performed only by:
 - 1) a qualified person;
 - 2) an electrical contractor who is not a qualified person, provided he/she is directly supervised by a qualified person; or
 - 3) a person who is not a qualified person but is enrolled in a training program that, upon satisfactory completion, will meet the requirement to become a qualified person provided he/she is directly supervised by a qualified person.
- e) It is licensed to do business in the State of Illinois.